

### REMARKS

Claims 1-6 are pending in the application. The Examiner has rejected Claims 1-6 under 35 U.S.C. §102 (e) as being anticipated by Cheng et al. (U.S. Patent 6,226,301).

Regarding the Examiner's rejection of Claims 1-6, in the background section of the present application, it is disclosed that the maximum number of segmented frames according to the prior art technique is 3. If the frame needs to be segmented into more than three parts, it is not transmitted until it can be segmented into three parts. If the physical channel has a greater transmission rate, which uses a greater RLP frame in order to improve transmission efficiency of the RLP, another segmentation method is required different from the conventional segmentation. To solve the above problems of the conventional technique, the claims of the present application recite a device and a method for transmitting an RLP frame having various lengths, and further, to solve a problem of the segmented frames generated when the RLP frame has various lengths, the claims of the present application recite a device and a method for segmenting a data part of a retransmission frame into a plurality of data segments, providing a frame sequence number to each of the data segments, and transmitting the data part of retransmission frame so that a receiving part receives and assembles the data part retransmission frame.

Cheng et al. discloses an apparatus and a method for segmenting and assembling data frames for retransmission in a telecommunications system. Cheng et al. also discloses a construction of a data frame for retransmission, and a range beginning is indicated at a sequence number indicated by first field of the data frame and a range ending is indicated at a sequence number indicated by last field of the data frame.

However, Cheng et al. does not disclose the features recited in the claims of the present application that the data part of a retransmission frame is segmented into a plurality of data segments, a frame sequence number is provided to each of the data segments, and the data part of retransmission frame is transmitted so that the receiving part receives and assembles the data part retransmission frame. Further, the claims of the present application recite that a frame sequence number of a requested frame is provided to each of data segments, a start time is notified by providing the byte number corresponding to the start byte of each data segment to each of the data segments, and the last segment is notified by providing an indicator indicating whether or not each data segment is the last segment to each of the data segments so that RLP data frame

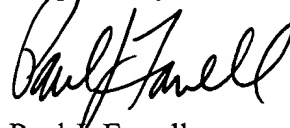
having not limited lengths but various lengths is transmitted, while Cheng et al. does not disclose these features.

Based on at least the foregoing arguments, withdrawal of the rejections of Claims 1-6 is respectfully requested.

Independent Claims 1, 2, 5 and 6 are believed to be in condition for allowance. Without conceding the patentability per se of dependent Claims 3 and 4, these are likewise believed to be allowable by virtue of their dependence on their respective amended independent claims. Accordingly, reconsideration and withdrawal of the rejections of dependent Claims 3 and 4 is respectfully requested.

Accordingly, all of the claims pending in the Application, namely, Claims 1-6, are believed to be in condition for allowance. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, the Examiner may contact Applicant's attorney at the number given below.

Respectfully submitted,



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